

# Milan Paremajalu Suresh

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## SUMMARY

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Business Intelligence Analyst with 2+ years of experience in SQL, advanced Excel, and BI tools. Demonstrated expertise in transforming complex data into actionable insights to drive cost reduction and process improvements. Skilled in tailoring narratives to non-technical audiences while collaborating with diverse stakeholders.

## EDUCATION

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### W. P. Carey School of Business, Arizona State University

Aug 2024 – May 2025

Masters in Business Analytics

GPA : 3.88/4.0

- Business Process Analytics, Machine Learning in Business, Analytical Decision Modelling, Marketing Analytics.

### Vidyavardhaka College of Engineering, India

Aug 2017 – Aug 2021

Bachelor of Engineering, Electronics and Communication

GPA : 7.9/10.0

- Python Programming, Engineering Mathematics, VLSI Design, Fiber Optics and Networks, Control Systems.

## PROFESSIONAL EXPERIENCE

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### Custom Software Engineering Analyst

Oct 2021 – May 2024

Accenture

Bengaluru, Karnataka, India

- Utilized SQL and data-driven analysis to transform web development processes in the telecommunications sector, ensuring timely project completion and maintaining defect rates below 5%.
- Developed an automation tool that reduced integration testing costs by 90%, enhancing project efficiency and streamlining operational processes.
- Coordinated cross-functional teams and external partners to expedite project completion by 25%, aligning strategic insights with operational objectives to improve deployment timelines and bolster customer satisfaction.
- Enhanced software performance by 15% and strengthened security through the application of analytical techniques and data-driven strategies, improving system reliability and response times.
- Boosted team productivity by 30% by introducing scalable frameworks and employing process optimization strategies to track and enhance technology adoption.

## PROJECT EXPERIENCE

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### Arizona State University

#### New Grid Consulting – Energy Prices Forecasting

Jan 2025 – Present

- Enhanced a machine learning model to forecast ERCOT electricity prices, incorporated feature engineering techniques which improved the model's MAE score by 10% and reduced volatility.
- Improved prediction accuracy by 12% by processing large datasets, ensuring data integrity, and leveraging visualization tools to provide actionable market insights.

#### Design of Experiments (DOE)/DMAIC – Lego Project

Nov 2024 – Dec 2024

- Conducted a Design of Experiments (DOE) analysis using Minitab to optimize the performance of a Lego car, evaluating five key factors and applying ANOVA to identify significant variables affecting speed and stability.
- Revised testing methodology, reducing experimental iterations by 30% while maintaining statistical significance, improving overall process efficiency.

#### Decision Modeling – Optimizing Production and Profitability

Nov 2024 – Dec 2024

- Optimized production allocation by building an Excel-based Solver model, generating \$77,000 in net monthly profit.
- Increased profitability by 25.4% by providing actionable recommendations on resource reallocation, production discontinuation, and efficiency improvements.

## SKILLS AND INTERESTS

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**Skills:** Python, Microsoft Excel, Microsoft Power Point, SQL, R, Tableau, Power BI, SPSS, Minitab, Hypothesis testing, Business Analysis, Data-Driven Decision Making, Data mining, JIRA, Business Intelligence, Analytical Techniques

**Interests:** Data Visualization, Business Strategy, Risk Analysis, Marketing Analysis